

ABSTRACT

An optical wave-guide having a plastic core and cladding which has an improved sheathing with improved adhesion to the cladding. The sheathing is a polyamide, copolyamide or mixtures thereof having no more than 15 $\mu\text{eq/g}$ of carboxyl terminal groups, 50 to 300 $\mu\text{eq/g}$ of amino terminal groups and a melting point less than 220°C. The sheathing adheres and shows higher resistance to pistoning when the wave-guide is heat cycled.

08937817-112904